ATTACHMENT B

ORDER R5-2011-XXXX

MASTER RECLAMATION PERMIT
FOR
TEHACHAPI-CUMMINGS COUNTY WATER DISTRICT
TEHACHAPI-CUMMINGS RECYCLING SYSTEM
KERN COUNTY

RULES AND REGULATIONS FOR RECYCLED WATER USE PROJECTS

Pursuant to California Water Code (CWC) section 13523.1 (b)(3), this Order requires a recycled water agency (Tehachapi-Cummings County Water District) to establish and to enforce rules and regulations governing the design, construction and use of recycled water distribution and disposal systems by its customers. The rules and regulations shall be consistent with the following criteria:

- Title 22, Division 4, Chapter 3, Wastewater Reclamation Criteria;
- Title 17, Division 1, Chapter 5, Group 4, Article 1& 2, of the California Code of Regulations;
- The State Department of Public Health (DPH) (formerly Department of Health Services) Guidelines for Use of Recycled Water, and Guidelines for Use of Recycled Water for Construction Purposes;
- Any measures that are deemed necessary for protection of public health, such as the American Water Works Association (AWWA) California/ Nevada section, Guidelines for the Distribution of Non-Potable Water and Guidelines for Retrofitting to Recycled Water or alternate measures that are acceptable to the State DHS.

At a minimum, the rules and regulations shall notify the users that:

1. The use of recycled water shall not cause pollution, contamination, or nuisance, as defined by section 13050 of the CWC.
2. The Tehachapi-Cummings County Water District (District), the Central Valley Regional Water Quality Control Board (Central Valley Water Board), the State DPH, or an authorized representative of these parties, upon presentation of proper credentials, shall have the right to enter upon the recycled water use site during reasonable hours, to verify that the user of recycled water is complying with the District's rules and regulations.
3. The District or a responsible management entity (RME or User) assigned by the recycled water agency shall provide written notification, in a timely manner, to the District of any material change or proposed change in the character of the use of recycled water.
4. Prior to the initiation of recycled water service, the District or User shall submit plans and specifications for recycled water distribution facilities to the Regional Water Board, and the State DPH for approval.
5. The District shall designate a recycled water supervisor who is responsible for the recycled water system at each Reclamation Area under its control. Specific responsibilities of the District's supervisor include the proper installation, operation, and maintenance of the irrigation system; compliance of the project with the District's rules

and regulations, prevention of potential hazards and preservation of the recycled water distribution system plans in “as built” form. Designated recycled water supervisors shall obtain instruction in the use of recycled water from an institution approved by the State DPH.

6. The District may terminate service to a User who uses, transports, or stores such water in violation of the District’s rules and regulations.
7. All recycled water storage facilities shall be protected against erosion, overland runoff, and other impacts resulting from a 100-year, 24-hour frequency storm to the extent practicable unless the Regional Water Board Executive Officer approves relaxed storm protection measures for the facility.
8. The Central Valley Water Board may initiate enforcement action against any recycled water user, including but not limited to the termination of the recycled water supply, who:
    a. Discharges recycled water in violation of any applicable discharge requirement prescribed by the Central Valley Water Board or in a manner which creates or threatens to create conditions of pollution, contamination, or nuisance, as defined in Water Code section 13050.
    b. Uses, transports, or stores such water in violation of the rules and regulations governing the design, construction and use of recycled water distribution and disposal systems issued by the recycled water distribution and disposal systems issued by the District in accordance with this attachment; or in a manner which creates or threatens to create conditions of pollution, contamination, or nuisance, as defined in Water Code section 13050.
9. A copy of the recycled water rules and regulations, irrigation system layout map, and a recycled water system operations manual shall be maintained at the Reclamation Areas. These documents shall be available to operating personnel at all times.
10. Irrigation with disinfected tertiary recycled water shall not take place within 50 feet of any domestic water supply well unless all of the following conditions have been met.
    c. A geological investigation demonstrates that an aquitard exists at the well between the uppermost aquifer being drawn from the ground and the surface.
    d. The well contains an annular seal that extends from the surface into the aquitard.
    e. The well is housed to prevent any recycled water spray from coming into contact with the wellhead facilities.
    f. The ground surface immediately around the wellhead is contoured to allow surface water to drain away from the well.
    g. The owner of the well approves of the elimination of the buffer zone requirement.

12. Impoundment of disinfected tertiary recycled water shall not occur within 100 feet of any domestic water supply well.
13. Irrigation with or impoundment of disinfected secondary- 2.2 or disinfected secondary 23 recycled water shall not take place within 100 feet of any domestic water supply well.

14. Irrigation with, or impoundment of, undisinfected secondary recycled water shall not take place within 150 feet of any domestic water supply well.
15. Recycled water facilities shall be operated in accordance with best management practices (BMP's) to minimize public contact with, and to prevent direct human consumption of recycled water.
16. All windblown spray and surface runoff of recycled water applied for irrigation onto property not owned or controlled by the discharger or recycled water user shall be prevented by implementation of BMP's.
17. Irrigation with recycled water shall be given during periods of minimal human use of the service area. Consideration shall be given to allow an adequate dry-out time before the irrigated area will be used by the public.
18. All drinking fountains located within the approved Reclamation Area shall be protected by location and/or structure from contact with recycled water spray, mist, or runoff. Protection shall be by design, construction practice, or system operation.
19. Facilities that may be used by the public, including but not limited to eating surfaces and playground equipment and located within the approved Reclamation Areas, shall be protected to the maximum extent possible by siting and/or structure from contact by irrigation with recycled water spray, mist or runoff. Protection shall be by design, construction practice or system operation.
20. Spray irrigation with recycled water, other than disinfected tertiary recycled water, shall not take place within 100 feet of the property line of a residence or a place where public exposure could be similar to that of a park, playground, or school yard.
21. All Reclamation Areas where recycled water is used and that are accessible to the public shall be controlled using signs and/or other appropriate means. Signs of a size no less than four inches high by eight inches wide with proper wording (shown below) shall be placed at all areas of public access and around the perimeter of all areas used for effluent disposal or conveyance to alert the public of the use of recycled water. All signs shall display an international symbol similar to that shown in Attachment C, a part of this Order, and present the following wording:

"**RECYCLED WATER-DO NOT DRINK**".

"AGUA DE DESPERDICIO RECLAMADA – POR FAVOR NO TOME"

22. No physical connection shall be made or allowed to exist between any recycled water system and any separate system conveying potable water or auxiliary water source system, other than the exceptions discussed in Finding 24 of this Attachment.
23. The recycled water piping system shall not include any hose bibs. Quick couplers that are different from that used in potable water system or auxiliary water source system may be used.

24. The public water supply shall not be used as backup or supplemental source of water for a recycled water system unless the connection between the two systems is protected by an air gap separation which complies with the requirements of sections 7602(a) and 7603(a) of title 17 and the approval of the public water system has been obtained. If a "Swivel-ell" type connection is used it must be used in accordance with provisions of the Department of Public Health Policy Memo 95-004. Approved backflow prevention devices shall be provided, installed, tested, and maintained by the recycled water user in accordance with the applicable provisions of Title 17, Division 1, Chapter 5, Group 4, Article 2.
25. No person other than the District shall deliver recycled water to a facility.
26. All facilities shall be identified and labeled according to the type of water in each system.
27. All recycled water piping and appurtenances in new installations and appurtenances in retrofit installations shall be colored purple or distinctively wrapped with purple tape in accordance with chapter 7.9, section 4049.54 of the California Health and Safety Code.
28. Customer complaints concerning recycled water use that may involve public illness shall be reported to the County Environmental Health Department, DPH, Central Valley Water Board, and to the District who shall maintain a log of all customer complaints regarding recycled water.
29. Any backflow prevention device installed to protect the public water system shall be inspected and maintained in accordance with section 7605 of Title 17.
30. The amount of nitrogen from commercial fertilizers applied to irrigation use sites shall be managed to take into account the nitrogen content of the recycled water in order to ensure sufficient nitrogen uptake by the vegetation and prevent leaching of excess nitrates and nitrogen compounds into the soil beyond the root zone.